



# REDIRECTION PULLEY

## Operator Manual

Model: RP-701



### NOTE TO INSTALLERS

Always Read Instructions Before Use

The Operator Manual contains information relating to the proper use of the Redirection Pulley and includes all product registration and warranty information. This document may only be removed by the end user. Ensure that this Operator Manual is readily available to operators at all times.

Head Rush Technologies Redirection Pulley Manual  
P/N 06070042602

Head Rush Technologies products are covered by a number of patents, including U.S. Patents 8,490,751; 8,851,235; 9,016,435; 8,851,235 and D654,412 & corresponding patents/applications in the USA and in other countries worldwide.

ACCESSORY OF THE



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## **IMPORTANT SAFETY NOTICE**

### **Climbing is a Dangerous Activity**

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### **Read Before Installation & Operation**

**Failure by the installer or operator to heed any and all instructions, warnings and cautions for the correct installation, operation, care and maintenance of the RP-701 Redirection Pulley and associated equipment may result in serious injury or death.**

Owners and Operators of RP-701 devices are responsible for the safety and supervision of any person using the RP-701 and are required to assure that proper installation and operation procedures are followed at all times. Proper installation requires careful design and planning using RP-701 components. Owners and Operators are encouraged to seek the advice of a proper engineering professional regarding the instructions in this Manual.

These instructions must be made readily available to the operator at all times. Prior to installation and use, all owners, installers and operators must have read and shown to have understood all instructions, labels, markings, and safety information pertaining to the installation, operation, care, and maintenance of the RP-701 system, its component parts, and all associated hardware. Failure to do so may result in equipment damage, serious injury and death.



### **WARNING**

Failure by the operator to heed all instructions, warnings and cautions for installation and use of the Redirection Pulley and all associated equipment can result in serious injury and/or death.

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# SAFETY INFORMATION

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## Symbols Used in this Manual

The following safety symbols are used throughout this manual to highlight potential dangers to operators and equipment. One or more precautions may be associated with practices and procedures described within this manual. Failure to adhere to any precautions highlighted can result in equipment damage, serious injury, and/or death.

Ensure that the owner/operator reads and understands all safety procedures related to the working environment and the task they are undertaking.



### **WARNING**

Indicates a potentially hazardous situation that, if not avoided, could result in serious injury or death.

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### **CAUTION**

Indicates a potentially hazardous situation that, if not avoided, may result in injury or equipment damage.

# CERTIFICATION

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## CE Certification

Completed by:

Volker Kron TÜV SÜD Product Service GmbH  
Daimlerstraße 11  
D-85748 Garching

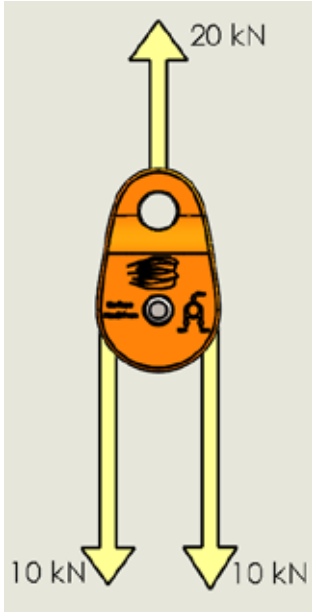
In Accordance with Personal Protective Equipment - Directive 89/686 EEC

## Standard

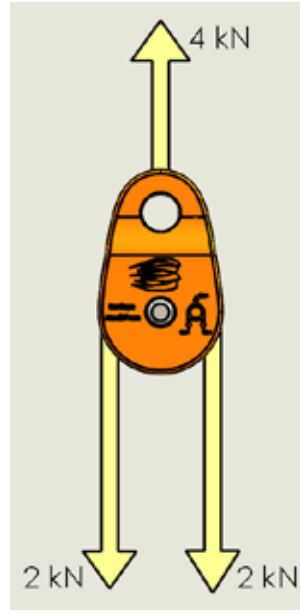
**EN 12278: 2007** The Redirection Pulley is intended for redirection, hauling, and climbing applications and has conformed to all CE requirements stated by EN 12278: 2007. Below are images of the Redirection Pulley's max and working loads.

# SPECIFICATIONS

## Maximum Loads



Max Strength  
*(guaranteed by manufacturer)*



Working Load Limit



The forces on the Redirection Pulley should not exceed the max strength loads. Caution should be used when exceeding the working load limit.

# OPERATION

## How to Use the Redirection Pulley

Step 1

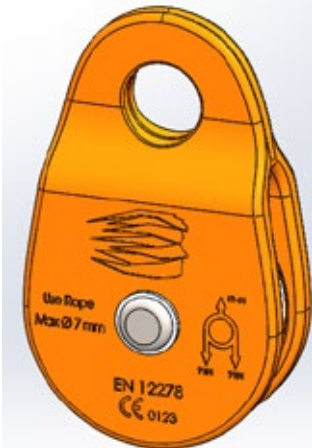


Figure 1  
Closed pulley with no rope

Step 3



Figure 3  
Insert desired rope (maximum diameter 7mm)

Step 2



Figure 2  
Swivel pulley side plate such that the carabiner clip in points are opposing

Step 4



Figure 4  
Return side plate such that the carabiner clip in points are concentric

# COMPATIBILITY

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Verify that the rope or chord used is less than 7mm in diameter. Use locking carabineers when pulley is in use. Make sure rope clamps or any other connectors used (other than carabineers) are not in contact with the pulley. Equipment used with the pulley (rope, carabineers, etc.) must meet the necessary standards and/or regulations.



# INSPECTION AND MAINTENANCE

## Inspection

### BEFORE EACH USE

Check and verify that there are no cracks, corrosion or deformation. Check and verify that the sheave and side plates turn freely without any contact or abnormal rubbing.

### DURING EACH USE

Ensure that the pulley is properly oriented such that the rope does not rub on the side plates. Ensure that the connectors are properly fastened and secure.

In addition to prior stated inspections, Head Rush Technologies recommends an in depth inspection every 12 months of product use. This inspection must be performed by a competent inspector. However, depending on conditions and intensity of use, inspections may need to occur more frequently.



### WARNING

DO NOT USE IF THERE ARE SIGNS OF CRACKING, CORROSION, OR DEFORMATION OR IF PULLEY DOES NOT PERFORM AS INDICATED

## Maintenance and Service Instructions

<b>WORKING TEMPERATURE</b>	MAXIMUM 80°C/176°F MINIMUM -40°C/-40°F
<b>STORAGE &amp; TRANSPORT</b>	Store RP-701 Redirection Pulley in a dry area where it is protected from UV light, chemicals or any other extreme conditions.
<b>CLEANING</b>	Only cleaning supplies that should be used are household soap/detergent and water. Chlorine, bleach or any other cleaning supplies should not be used.
<b>WET CONDITIONS</b>	RP-701 Redirection Pulley should not be used while wet or icy conditions.
<b>DRYING</b>	Do not dry RP-701 Redirection Pulley in direct UV light or near a fire. Use a cloth or let it dry on its own.
<b>MAINTENANCE</b>	Modifications/repairs not specifically approved by Head Rush Technologies are prohibited.
<b>PRODUCT LIFETIME</b>	Assuming the pulley has had proper maintenance, care, and working conditions, Head Rush Technologies can guarantee a product life of 3 years.

# PRODUCT MARKINGS

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- **Made in USA (2014 ED.):** The Redirection Pulley was manufactured in 2014 and is assembled in the United States. The location and year of manufacturing are required to be on the product by EN 12278: 2007.
- **Head Rush Technologies:** The name of the manufacturer must be on the Redirection Pulley in accordance with EN 12278: 2007.
- **Use Rope Max Ø7 mm:** The maximum diameter of rope that can be used in the Redirection Pulley is 7 mm.
- **Pictorial Representation of max loads:** As required by EN 12278: 2007 the Redirection Pulley shows the maximum loads as guaranteed by the manufacturer.
- **EN 12278 CE 0123:** The labels prove that the Redirection Pulley is CE certified and meets the requirements of EN 12278: 2007.

# MANUFACTURER'S DETAILS

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Replacement parts for the Redirection Pulley and other related products can be purchased at [store.headrushtech.com](http://store.headrushtech.com) or from an Authorized Head Rush Technologies Distributor.

## ADDRESS

Head Rush Technologies  
1835 38th Street, Suite C  
Boulder, CO 80301  
USA

## CONTACT DETAILS

+1-720-565-6885  
[www.headrushtech.com](http://www.headrushtech.com)  
[info@headrushtech.com](mailto:info@headrushtech.com)



[www.headrushtech.com](http://www.headrushtech.com)

[info@headrushtech.com](mailto:info@headrushtech.com)

+1-720-565-6885

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